

Yearsley emphasises and re-emphasises the vital importance of close individual study of each child so that he may, by proper placing, be developed along the lines most suited to his hearing and mental powers.

The last division—the defective deaf (blind or mentally defective)—is not discussed beyond an expression of strong approval of a proposal to place this class under segregation and permanently to care for them.

*Author's abstract.*

### MISCELLANEOUS.

**Freudenthal, Wolff.**—**Second Report on the Therapeutic Value of Radium in Malignant Tumours of the Upper Air-tract.** “*Annals of Otol., Rhinol., and Laryngol.*,” vol. xxi, p. 334.

The author gives a short account of the further history of ten cases described in the first report (*Annals of Otology*, March, 1911, abstracted *JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOTOLOGY*, vol. xxvi, p. 611), and gives a further twelve cases. Three of the former ten cases are still without recurrence and in good health, and two of the new ones are “so much improved that they might be pronounced cured.”

*Macleod Yearsley.*

**Joachim, O.**—**Non-Poisonous Anæsthesia of Mucous Membranes.** “*New Orleans Med. and Surg. Journ.*,” October, 1912.

In order to avoid the risks of general anæsthesia the author strongly recommends that operations on the nasal passages, pharynx, etc., should be done under local anæsthesia. The best drugs for this purpose are alypin, and novocaine combined with adrenalin. Novocaine possesses only one tenth and alypin only one fourth the toxicity of cocaine and, moreover, solutions of the two former drugs may be sterilised by boiling without destruction of any of their properties. The solutions recommended are (1) 20 per cent. solution of alypin to which is added one fifth in volume of 1 : 1000 adrenalin solution. (2) Four drachms of 2 per cent. novocaine solution to which is added fifteen drops 1 : 1000 adrenalin solution.

The solutions require a delay of six to eight minutes after injection before commencing to operate. The injection should be made whenever possible into and around the nerve-trunk supplying the part.

The Caldwell-Luc operation, operations on the frontal sinus, and even mastoid operations may be undertaken with this method of local anæsthesia.

*Knowles Renshaw.*

### REVIEWS.

*De l'Enrouement chez les Chanteurs (Hoarseness in Singers).* By Dr. HENRI LAVIELLE (Bordeaux). Pp. 122. Bordeaux: Imprimerie Moderne, A. Destout, Aîné & Cie., 1912.

IN this brochure the writer commences with a consideration of the normal singing voice, and particularly the anatomy and physiology of the organs concerned, so far as necessary for an understanding of their action in singing. In general his account of the matter is in accordance with the views of the best recognised authorities, and most notably Prof.